Network Control Center

STDN DAILY REPORT
FOR GMT DAYS
30,APRIL 01 AND 02 MAY, 2001

Part I. Operations

30 APRIL

A. SN Anomalies:

1. WSGT/HST Support 30/0000-000030Z

HST POCC reported the spacecraft entered safe mode on day 118/2014Z. The POCC declared the spacecraft officially out of safe hold mode with the beginning of this event. TTR # 23860

2. WSGT/HST Support 30/2247-2302Z

HST did not acquire on this MA-R service. HST was unaware of the scheduled service and did not turn on their transponder, nor were they able to turn on the transponder at service start due to MA-R only. TTR # 23861

TDE MAR-1 15 Mins 27 Sec Service Loss

3. STGT/HST Support 30/2320-2359Z

POCC requested a delete/add to replace a 23:14:45-00:07:00Z TDRS-WEST Event. NCC scheduling entered an event for 23:17:45- 23:59:57Z on TDRS-171. Duration/TDRS adjusted due to other customer events on the schedule. After SHO start, the POCC again requested changes to the event and at 23:19:33 WSC received a cancellation of the SHO as of 23:20:21. Due to NCC Equipment/software problems, the NCC Scheduler received SHO ID numbers in response to the add, but no

acknowledgement/rejection message, and requested WSC enter/add the event. Since no SHO existed in the WSC canned SHO editor for the configuration that HST requested, a number of attempts were made to modify/utilize the 23:17:45Z NCC entered SHO. Time expired prior to clearing all the SHO discrepancies and no data was passed to the POCC. Of the 39 min 36-sec loss, the POCC recovered some of the data on the next pass. The POCC is declaring a non-recoverable loss from 120/2341-121/0006Z for 25 min. TTR # 23862

171 SSA-1 39 Mins 36 Sec Data/Service Loss Non-Recov

B. ISS Anomalies - None.

C. GN Anomalies:

1. AGS/FAST Support 30/1724-1753Z

FAST #18633 (120/17:26Z): LEO-T failed to configure for this support. The LEO-T had been scheduled up as shadow support for this event downlink only. Check the schedule and confirmed that it was scheduled. Checked the event log and noted the following error: gf5 2001-120-17: 24:30 VWR: gsa Schedule Rejected Error: syntax error This error occurred a total of 10 times between 17:24Z and 17:28Z. There was no data loss as data was shipped from TOTS post pass. The system will be rebooted post pass and another shadow support will be scheduled to see if the problem reoccurs. The event log was saved: CDS ID # 18595

LEO-T 1726-1753Z No Data Loss (SHADOW PASS ONLY)

01 MAY

A. SN ANOMALIES: - None.

B. ISS Anomalies - None.

C. GN Anomalies:

1. SGS/EO-1 Support 01/1236Z-1239Z

At 12:37 the operator noticed loss of x-band (before scheduled X-band LOS). Troubleshooting revealed that the antenna had lost X-band tracking signal, but week s-band signal provided still S-band data. At 12:38:20 the operator forced program track S-band. S-band track was performed for 1minute and 30 seconds and the X-band autotrack was then turned on again. During the period with bad tracking, we noticed some CRC errors/Seq. errors on the S-band data. X-band autotrack worked fine without problems. During the period when program track was used the operator verified that the x-band track polarization was set to LHC. The usual workaround was performed before support, and we have no indication on why the antenna lost autotrack of the X-band. X-band was lost between 12:36:40 and 12:38:20. CDS ID # 18596

11 METER 1232-1245Z 1 Min. 40 Sec. Svc/Data Loss (Non-Recov)

2. AGS/FAST Support 01/1302-1314Z

After AOS and coherent lock the U/L sweep is commanded by the Master to return to center frequency. This command was ignored by the exciter. Repeated attempts from the B/U Master failed. Three trips to the pedestal resetting the exciter, Marconi, and GPIB-232CT IEEE converter box restored normal communication. Sweep was enabled from the Master for 2 sweeps then terminated. Command Modulation failed to be applied. The Analog Matrix Switch was reconfigured from the B/U Master. Unknown number of commands were lost. Note: There was no interruption in the received data. VC #2 data count was low, only 8 frames received. CDS ID # 18597

TOTS-1 1302-1332Z No Data Loss Declared

3. SGS/EO-1 Support 01/1700-1750Z

At about 17:00 some problems were noticed with the SCC 4.3

software. In the middle between two supports it hung, and wouldn't work any more. The software was restarted and manually schedule for the next support (EO1). During the next EO1 orbit 2344, more problems were notified. It looked like the updating of the SCC screen worked very slowly. The antenna was moving as expected (monitored by camera and Indoor ACU), but the values on the SCC screen were unusable. After LOS the antenna would not be stowed as requested in Post Pass sequence. The SCC/ACU computer was re-powered post pass. Message and schedule files have been sent to Via SAT.
CDS ID # 18598

11 METER 1724-1739Z No Data Loss Declared.

D. STS-100 Officially Landed at EAFB Cal. 05/01-16:10:42Z

E. NAM 536 GRGT 11 METER ANTENNA Preventive Maintenance was Issue on 01/1810Z.

F. NAM 537 TDRS-4 (TDE) HANDOVER from SGLT-4 to SGLT-5 was Issue on 01/1816Z.

02 MAY

A. SN Anomalies:

1. STGT/LSAT-4 Support 02/1638-1658Z

The return link failed to acquire. CSC-4 sent two return re-acquisitions and attempted to contact the POCC on the voice coords without success. The Shift Supervisor at STGT requested the TM to contact the POCC via telephone. There was no answer at the POCC. No return RF was present during the entire SHO.
TTR # 23863

TDW SSA-2 F/R 20 Mins Service/Data Loss Recoverable (Unknown)

B. ISS Anomalies - None.

C. GN Anomalies:

1. AGS/WIRES Support 02/0403-0414Z

TOTS-1 had a negative acquisition during their support. The Antenna time bias was adjusted +/- 60 seconds. The station PRT was nominal. The Tech Manager and John Nagy with WIRES were notified. CDS ID # 18605

TOTS-1 11 Mins Data Loss Non-Recoverable

2. SGS/LSAT-7 Support 02/0958-1000Z

The HPA did not switch over to Operate mode at Prepass on SCC. Operator was unable to change to Operate from Standby without first turn the HPA OFF and then ON. Norway was "Go for command" at 10:00:30Z (15 degrees elevation). CDS #18606

11 Meter 095709-101131Z 2 Mins Service Loss

3. AGS/QST Support 02/0529-0552Z

At support configuration time the schedule and ephemeris did not transfer to the SCC. The SCC was configured manually, and support was provided with no further problems. Post pass the SCC and Master were recycled. The Console operator was unable to tell if the problem is with the Master computer or the SCC, but these incidences have increased since the installation of ATS 3.5 on the Master computer. CDS # 18607

11 Meter 0537-0552Z 15 Mins Svc Loss

4. WGS/SAC-C Support 02/1524-1538Z

Following start of track, the TOTS system did not have any D/L. Did a quick check of the system and did not see any problems with the equipment. Applied bias in both directions (plus & minus) without any success. Had project send a command to turn on the

S/C, still no success. Following the support we found that the acquisition data was16 days old. The IIRV was from day 106. We check on another system (9m) and found the same acquisition data. We have not received any updated IIRVs for SAC-C since day 106. Going by existing procedures, we are to load the IIRV as a separate source for SAC-C. Based on the age of the acquisition data, this is probably the source of the problem with TOTS-3 not getting any D/L on the S/C. CDS # 18609

TOTS 14 Mins. Svc/Data Loss Unknown If Recoverable.

5. ASG/FAST Support 02/1721-1748Z

The project called during support to report high CRC errors and inability to command. Apparently this problem has been present the last few (unmonitored) supports. The TOTS operator tried to drop connections and restart during support per request from project, but TPCE would not drop the connection using the following commands: KILLTPCE,KSDF. The TOTS operator rebooted TPCE and restarted TPCE. Connections were enabled for everything except real time output. The project did succeed in sending a test command to the S/C during the last few moments of the scheduled support. CDS 18610

TOTS 172122-175000Z 27 MINS 2 Secs Svc Loss

6. WGS/QST Support 02/2237-2252Z

The Master attempted to transfer the schedule to the SCC and other equipment. The PTP turned red on the Master screen and the schedule and ephemeris was late going to the SCC. The PTP were manually configured so that all data could be recorded. Following the support, we pushed the files through the SAFS. All files in the SCC were saved per the message received from Karen Clark as rciSched.save and master.save for review later. Testing had been done on the PTP during the day with another project. No data loss declared. CDS ID # 18611

7. AGS/ARC Support 02/1730-1741Z

During the pre pass briefing the SC controller stated that this would be a blind acquisition. At H-0, 17:29:28 AGS acquired the Acrimsat spacecraft as it come over the horizon hot. The SC controller was notified that the spacecraft was hot at horizon break. The spacecraft transmitter turned off at 17:30:21z. AGS was directed to bring carrier up and sweep at that time. After sweep was terminated the SC controller sent the transmitter on command and there was no acquisition. Efforts to turn the spacecraft transmitter on continued through the remainder of the pass with no results. CDS ID # 18612

11 Meter 1729-1741Z 10 Mins Data Loss Non-Recoverable

8. PF1/EO-1 Support 02/0636-063649Z

This support had a maximum elevation of 87 degrees the antenna was incorrectly configured to track the support in X-band, instead of S-band which is the normal mode for high elevation supports. The antenna was switched to an S-band track when errors were observed on the X-band data due to a poor X-band track. CDS ID # 18613

PF1 0631-0643Z 27 Sec Data Loss Recoverable (Unknown).

9. PF1/QST Support 21/1415-1419Z

Prior to AOS, the DataLynx operator noticed that QMOC had not connected to the PTP and left a message with QMOC stating that a connection was not established. Approximately 4 minutes after AOS, a connection with QMOC was established. Following the support, QMOC notified DataLynx that a line had been erroneously unplugged on their end which prevented the connection until after AOS. CDS ID # 18614

PF1 4 Mins Data Loss Recoverable

Part II . Testing Anomalies

A. SN Test - None.

B. GN Test - None.

Part III. Equipment Status Changes - None.

$ = Changed ETRO
** = New Items

Part IV. Scheduled Activities:

GOES-M END to END TEST #5 Between the GOES POCC and OAFS	03 1130-0100Z
ERBS New TAC System Verification Test	03/1300-2000Z
SEA LAUNCH Verification Test NO 4	03/1400-1505Z
AGS/SGS/WGS TERRAGSIP Parallel OPER Phase III Test	03/161200-162455Z

Part V. Launch Forecast Changes :

1 .) H1435LS (SEALAUNCH/XM-1R) NET 08 MAY 2001
T-0 = 2210Z